

Amendments To The Claims

1. (currently amended) An isolated nucleic acid comprising the sequence of SEQ ID NO: 14 HIV gene encoding an RNA of about 50 to about 120 nucleotides, wherein a first portion of the RNA of 18 to 24 nucleotides is at least 50% complementary to a second portion of the RNA sequence of 18 to 24 nucleotides, and wherein at least one of the first or second portion of the RNA is at least 63% complementary to a binding site sequence of 18 to 24 nucleotides of a human gene.

2. (currently amended) An isolated HIV gene comprising a plurality of genes according to claim 1 + RNA of 18 to 24 nucleotides encoded by the nucleic acid of claim 1.

3. (canceled)

4. (canceled)

5. (currently amended) The gene RNA according to claim 1 ~~2~~ wherein said encoded RNA is capable of modulating expression of said ~~a~~ human gene.

6. (currently amended) The gene RNA according to claim 4 ~~5~~ wherein said RNA is at least 63% complementary to a binding site sequence of 18 to 24 nucleotides of a human gene and wherein the binding site sequence is located in an untranslated region of RNA encoded by said human gene.

7. (currently amended) The gene RNA according to claim 6 wherein the binding site sequence is located in the 3' untranslated region of the RNA encoded by said human gene.

8. (currently amended) A vector comprising the nucleic acid gene of claim 1.

9. (withdrawn) A method of selectively inhibiting translation of at least one gene, comprising introducing the vector of claim 8 into a cell.

10. (withdrawn) A method according to claim 9 and wherein said introducing comprises utilizing RNAi pathway.

11. (previously amended) A gene expression inhibition system comprising the vector of claim 8 and a means for inserting said vector into a cell.

12. (currently amended) A probe comprising the nucleic acid gene of claim 1.

13. (withdrawn) A method of selectively detecting expression of at least one gene, comprising using the probe of claim 12.

14. (original) A gene expression detection system comprising: the probe of claim 12; and a gene expression detector functional to selectively detect expression of at least one gene.

15. (withdrawn) An anti-viral substance capable of neutralizing said RNA of claim 1.

16. (withdrawn) A substance according to claim 15 and wherein said neutralizing comprises complementarily binding said RNA.

17. (withdrawn) A substance according to claim 15 and wherein said neutralizing comprises immunologically neutralizing.

18. (withdrawn) A method for anti-viral treatment comprising neutralizing said RNA of claim 1.

19. (withdrawn) A method according to claim 18 and wherein said neutralizing comprises: synthesizing a complementary nucleic acid molecule, a nucleic sequence of which complementary nucleic acid molecule is a partial inversed-reversed sequence of said RNA; and transfecting host cells with said complementary nucleic acid molecule, thereby complementarily binding said RNA.

20. (withdrawn) A method according to claim 18 and wherein said neutralizing comprises immunologically neutralizing.

21. (new) An isolated RNA of about 50 to 77 nucleotides encoded by the nucleic acid of claim 1.

22. (new) An isolated RNA of about 22 nucleotides encoded by the nucleic acid of claim 1.

23. (new) An isolated nucleic acid complementary to the nucleic acid of claim 1.

24. (new) An isolated nucleic acid complementary to the nucleic acid of claim 2.

25. (new) An isolated nucleic acid complementary to the nucleic acid of claim 22.